

Eaton
MTC

2/24/05

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 7, line 9 as follows:

FIG. 12A is a planar cross section view with parts cutaway and removed of the load cell of FIG. 12 shown mounted onto the vehicle floor-pan and attached to the fuel tank.

FIG. 12B is an enlarged view of the electronics package of the load cell shown in FIG. 12.

Please amend the paragraph beginning on page 20, line 29 and continuing to page 21, line 2 as follows:

The electronics package is potted within hole 1262 using urethane or silicone potting compound 1244 and includes a pitch and roll dual angle sensor or IMU 1270, a microprocessor with integral ADCs 1280 and a flex circuit 1275 (as shown in FIG. 12B). The flex circuit terminates at an electrical connector 1290 for connection to other vehicle electronics. The beam is slightly tapered at location 1232 so that the strain is constant in the strain gage. If an IMU is used, the ADCs relative to the IMU could be part of the IMU and if SAW strain gages are used, the ADCs may be part of the general interrogator.